

Bone contour and bone structure determination

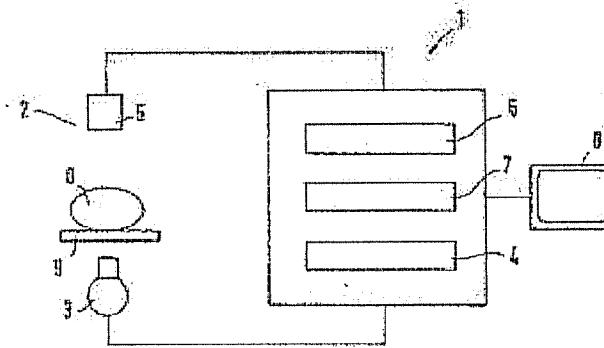
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Cited documents:

- DE4304572 (A1)
- DE3417609 (A1)
- EP0455986 (A2)
- EP0398029 (A1)

Abstract of DE 19853965 (A1)

The method involves using an X-ray system with an X-ray image recording system for the detection of digital X-ray images, and a computer arrangement for determining relevant bone contours and bone structures, especially the passage from cortical to spongy bone contour. At least one first and one second digital X-ray image are recorded by using X-ray radiation of different energy spectra, and a subtraction image is derived through digital subtraction of both images. A contour image is produced through mathematical processing of the subtraction image, to determine the bone contours under application of a computer-based contour recognition method. The contour image is used for the planning and/or selection of the artificial limb implant.



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